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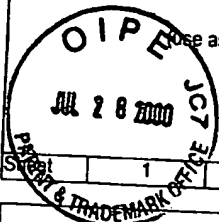
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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	09/506,988
Filing Date	February 18, 2000
First Named Inventor	Jordan J.N. Tang
Group Art Unit	1614
Examiner Name	
Attorney Docket Number	OMRF 176

OTHER ART - NON PATENT LITERATURE DOCUMENTS

Examiner's Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
		BALDWIN, et al., "Structural basis of drug resistance for the V82A mutant of HIV-1 proteinase," <i>Nat. Struct. Biol.</i> 2(3):244-9 (1995).	
		BOGER, "Renin Inhibitors. Design of Angiotensinogen Transition-state Analogs Containing Statine: Conformationally restricted inhibitors and a model for the bound conformation of renin substrate," in <i>Aspartic Proteinases and Their Inhibitors</i> , (Kostka, V., ed.), pp. 401-420, Walter de Gruyter: N.Y., 1985.	
		CARPENTER, et al., "Antiretroviral therapy for HIV infection in 1998: Updated recommendations of the International AIDS Society-USA Panel," <i>JAMA</i> 280(1):78-86 (1998).	
		CARROLL, et al., "Identification of potent inhibitors of <i>Plasmodium falciparum</i> plasmepsin II from an encoded statine combinatorial library," <i>Bioorg. Med. Chem. Lett.</i> 8(17):2315-20 (1998).	
		CARROLL, et al., "Evaluation of a structure-based statine cyclic diamino amide encoded combinatorial library against plasmepsin II and cathepsin D," <i>Bioorg. Med. Chem. Lett.</i> 8(22):3203-6 (1998).	
		CHEN, et al., "Three-dimensional structure of a mutant HIV-1 protease displaying cross-resistance to all protease inhibitors in clinical trials," <i>J. Biol. Chem.</i> 270(37):21433-6 (1995).	
		COFFIN, "HIV population dynamics in vivo: implications for genetic variation, pathogenesis, and therapy," <i>Science</i> 267(5197):483-9 (1995).	
		CONDRA, et al., "Genetic correlates of in vivo viral resistance to indinavir, a human immunodeficiency virus type 1 protease inhibitor," <i>J. Virol.</i> 70(12):8270-6 (1996).	
		CONDRA, et al., "In vivo emergence of HIV-1 variants resistant to multiple protease inhibitors," <i>Nature</i> 374(6522):569-71 (1995).	
		CRAIG, et al., "Antiviral properties of Ro 31-8959, an inhibitor of human immunodeficiency virus (HIV) proteinase," <i>Antiviral Res.</i> 16(4):295-305 (1991).	

Examiner's Signature	Date Considered
	7 Sept 2000

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		DEBOUCK & METCALF, "Human Immunodeficiency Virus Protease: A target for AIDS therapy," <i>Drug Devel. Res.</i> 21:1-17 (1990).	
		DEBOUCK, et al., "Human immunodeficiency virus protease expressed in <i>Escherichia coli</i> exhibits autoprocessing and specific maturation of the gag precursor," <i>Proc. Natl. Acad. Sci. USA</i> 84:8903-8907 (1987).	
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		GHOSH, et al., "3-tetrahydrofuran and pyran urethanes as high-affinity P ₂ -ligands for HIV-1 protease inhibitors," <i>J. Med. Chem.</i> 36:292-94 (1993).	
		GHOSH, et al., "An efficient synthesis of hydroxyethylene dipeptide isosteres: The core unit of potent HIV-1 protease inhibitors," <i>J. Org. Chem.</i> 56:6500-3 (1991)	
		GRAVES, "Human immunodeficiency virus proteinase: now, then, what's next?" <i>Adv Exp Med Biol.</i> 306:395-405 (1991).	
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		HO, et al., "Rapid turnover of plasma virions and CD4 lymphocytes in HIV-1 infection," <i>Nature</i> 373(6510):123-6 (1995).	

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Sheet	of	6	Attorney Docket Number	OMRF 176

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ms		DUNN, et al., "Subsite Preferences of Retroviral Proteinases" <i>Methods in Enzymology</i> 241:254-278 (1994).	
		HONG, et al., "Active-site mobility in human immunodeficiency virus, type 1, protease as demonstrated by crystal structure of A28S mutant," <i>Protein Sci.</i> 7(2):300-5 (1998).	
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		JACOBSEN, et al., "In vivo resistance to a human immunodeficiency virus type 1 proteinase inhibitor: mutations, kinetics, and frequencies," <i>J. Infect. Dis.</i> 173(6):1379-87 (1996).	
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		KOHL, et al., "Active human immunodeficiency virus protease is required for viral infectivity," <i>Proc. Natl. Acad. Sci. USA</i> 85(13):4686-90 (1988).	
ms		LAPATTO, et al., "X-ray analysis of HIV-1 proteinase at 2.7 Å resolution confirms structural homology among retroviral enzymes," <i>Nature</i> 342(6247):299-302 (1989).	
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[Signature]		7 Sept 00	

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MS		LIN, et al., "Effect of point mutations on the kinetics and the inhibition of human immunodeficiency type 1 protease: Relationship to drug resistance," <i>Biochemistry</i> 34:1143-1152 (1995).	
		MAJER, et al., "Structure-based subsite specificity mapping of human cathepsin D using statine-based inhibitors," <i>Protein Sci.</i> 6(7):1458-66 (1997).	
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		NAVIA, et al., "Three-dimensional structure of aspartyl protease from human immunodeficiency virus HIV-1," <i>Nature</i> 337(6208):615-20 (1989).	
		PATICK, et al., "Antiviral and resistance studies of AG1343, an orally bioavailable inhibitor of human immunodeficiency virus protease," <i>Antimicrob. Agents Chemother.</i> 40(2):292-7 (1996).	
		PENG, et al., "Role of human immunodeficiency virus type 1-specific protease in core protein maturation and viral infectivity," <i>J. Virol.</i> 63(6):2550-6 (1989).	
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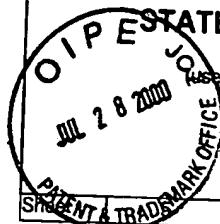
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JNT		RIDKY & LEIS, "Development of drug resistance to HIV-1 protease inhibitors," <i>J. Biol. Chem.</i> 270(50):29621-3 (1995).	
		RIDKY, et al., "Human immunodeficiency virus, type 1 protease substrate specificity is limited by interactions between substrate amino acids bound in adjacent enzyme subsites," <i>J. Biol. Chem.</i> 271:4709-4717 (1996).	
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		TANG & HARTSUCK, "A kinetic model for comparing proteolytic processing activity and inhibitor resistance potential of mutant HIV-1 proteases," <i>FEBS Lett.</i> 367(2):112-6 (1995).	
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JNT		TOMASSELLI, et al., "The complexities of AIDS: An assessment of the HIV protease as a therapeutic target," <i>Chimicaoggi-Chemistry Today</i> 9:6-27 (1991).	

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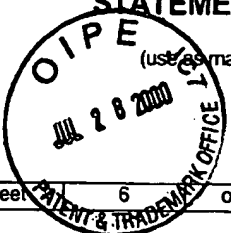
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<i>mm</i>		TONG, et al., "Crystal structure of human immunodeficiency virus (HIV) type 2 protease in complex with a reduced amide inhibitor and comparison with HIV-1 protease structures," <i>Proc. Natl. Acad. Sci. USA</i> 90(18):8387-91 (1993).	
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		WLODAWER & ERICKSON, "Structure-based inhibitors of HIV-1 protease," <i>Annu. Rev. Biochem.</i> 62:543-85 (1993).	
<i>any</i>		WLODAWER, et al., "Conserved folding in retroviral proteases: crystal structure of a synthetic HIV-1 protease," <i>Science</i> 245(4918):616-21 (1989).	

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